

FILE 'HOME' ENTERED AT 15:07:03 ON 01 JUN 2009

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 15:07:34 ON 01 JUN 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 MAY 2009 HIGHEST RN 1151391-70-6

DICTIONARY FILE UPDATES: 31 MAY 2009 HIGHEST RN 1151391-70-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> E "CARBOXYFLUORESCEIN DIACETATE SUCCINAMIDE ESTER"/CN 25

E1 1 CARBOXYFERROCENE/CN

E2 1 CARBOXYFLUORESCEIN/CN

E3 0 --> CARBOXYFLUORESCEIN DIACETATE SUCCINAMIDE ESTER/CN

E4 1 CARBOXYGERMANE/CN

E5 1 CARBOXYHEMOGLOBINS/CN

E6 1 CARBOXYHEXAHYDRO-4-METHYL-1H-PYRROLIZINIUM IODIDE/CN

E7 1 CARBOXYHOMOYESSOTOXIN/CN

E8 1 CARBOXYHYDROQUINONE/CN

E9 1 CARBOXYIBUPROFEN/CN

E10 1 CARBOXYIFOSFAMIDE/CN

E11 1 CARBOXYISOXICAM/CN

E12 1 CARBOXYKETENE/CN

E13 1 CARBOXYKINASE (ATP) (YERSINIA PESTIS STRAIN CO92 GENE YPO0138)/CN

E14 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE/CN

E15 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (162-TYROSINE)

(CORYNEBACTERIUM GLUTAMICUM STRAIN ATCC 13032)/CN

E16 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (184-TYROSINE, 263-ASPARTIC ACID, 851-ARGININE) (CORYNEBACTERIUM GLUTAMICUM STRAIN ATCC 13032)/CN

E17 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (586-PHENYLALANINE) (CORYNEBACTERIUM GLUTAMICUM STRAIN ATCC 13032)/CN

E18 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ACANTHEPHYRA EXIMEA GENE PEPCK FRAGMENT)/CN

E19 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ACANTHOPAGRUS SCHLEGELI)/CN

E20 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE)/CN

E21 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE) (ACTINOBACILLUS PLEUROPNEUMONIAE GENE PCKA)/CN

E22 2 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE) (ACTINOBACILLUS SUCCINOGENES GENE PCKA)/CN

E23 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE)
(ACTINOBACILLUS SUCCINOGENES STRAIN 130Z GENE PCKA)/CN
E24 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE)
(ANAEROBIOSPIRILLUM SUCCINICIPRODUCENS CLONE PPCK2/PPCK1 GENE PCKA PRECURSOR
REDUCED)/CN
E25 1 CARBOXYKINASE, PHOSPHOENOLPYRUVATE (ADENOSINE TRIPHOSPHATE)
(BACILLUS SUBTILIS GENE PCKA)/CN

=> E "CARBOXY FLUORESCHEIN DIACETATE SUCCINAMIDE ESTER"/CN 25
E1 1 CARBOXY/CN
E2 1 CARBOXY CPG 500/CN
E3 0 --> CARBOXY FLUORESCHEIN DIACETATE SUCCINAMIDE ESTER/CN
E4 1 CARBOXY GROUP-CONTG. ACRYLIC FIBERS/CN
E5 1 CARBOXY GROUP-CONTG. BUTADIENE RUBBER/CN
E6 1 CARBOXY GROUP-CONTG. BUTADIENE-STYRENE RUBBER/CN
E7 1 CARBOXY GROUP-CONTG. NEOPRENE RUBBER/CN
E8 1 CARBOXY GROUP-CONTG. SBR/CN
E9 1 CARBOXY GROUP-CONTG. SILOXANES/CN
E10 1 CARBOXY GROUP-TERMINATED BUTADIENE-ME METHACRYLATE SYNTHETIC
RUBBER/CN
E11 1 CARBOXY GROUP-TERMINATED SBR/CN
E12 1 CARBOXY PEPTIDASE YWIC (BACILLUS LICHENIFORMIS STRAIN ATCC 14580
GENE YWIC)/CN
E13 1 CARBOXY RADICAL/CN
E14 1 CARBOXY SNAFL 1/CN
E15 1 CARBOXY SNAFL 1 DIACETATE/CN
E16 1 CARBOXY SNARF 1AM/CN
E17 1 CARBOXY TERMINAL PROCESSING PROTEASE (SINORHIZOBIUM MELILOTTI
STRAIN 1021 GENE CTPA OR SMC03783 PRECURSOR SIGNAL PEPTIDE)/CN
E18 1 CARBOXY TERMINAL PROCESSING PROTEASE PRECURSOR (THERMUS
THERMOPHILUS STRAIN HB8)/CN
E19 2 CARBOXY TERMINAL-PROCESSING PROTEINASE/CN
E20 1 CARBOXY TERMINAL-PROCESSING PROTEINASE (HELICOBACTER ACINONYCHIS
STRAIN SHEEBA GENE CTPA)/CN
E21 1 CARBOXY TERMINAL-PROCESSING PROTEINASE (KUENENIA STUTTGARTIENSIS
GENE CTPA PRECURSOR)/CN
E22 1 CARBOXY TERMINAL-PROCESSING PROTEINASE (PSEUDOMONAS ENTOMOPHILA
STRAIN L48 GENE CTPA PRECURSOR)/CN
E23 1 CARBOXY TERMINUS OF HSP70-INTERACTING PROTEIN (HUMAN GENE
CHIP)/CN
E24 1 CARBOXY X RED/CN
E25 1 CARBOXY((METHYLSULFONYL)CARBAMOYL)METHANEDIAZONIUM HYDROXIDE,
INNER SALT ETHYL ESTER/CN

=> S 150347-59-4/RN

L1 1 150347-59-4/RN

=> DIS L1 1 IDE

THE ESTIMATED COST FOR THIS REQUEST IS 2.05 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 150347-59-4 REGISTRY

ED Entered STN: 30 Sep 1993

CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-ar-carboxylic acid,
3',6'-bis(acetyloxy)-3-oxo-, 2,5-dioxo-1-pyrrolidinyl ester (CA INDEX
NAME)

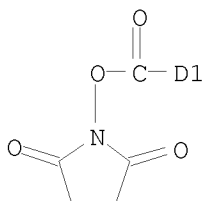
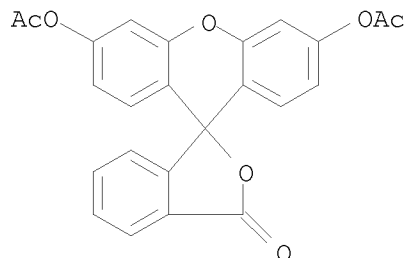
OTHER CA INDEX NAMES:

CN 2,5-Pyrrolidinedione, 1-[[[3',6'-bis(acetyloxy)-3-oxospiro[isobenzofuran-
1(3H),9'-[9H]xanthene]-5(or 6)-yl]carbonyl]oxy]- (9CI)

CN Spiro[isobenzofuran-1(3H),9'-[9H]xanthene], 2,5-pyrrolidinedione deriv.

OTHER NAMES:

CN 5(6)-Carboxyfluorescein diacetate succinimidyl ester
 CN CFSE
 CN Vybrant CFDA-SE
 MF C29 H19 N O11
 CI IDS
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER, USPAT2,
 USPATFULL



102 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 103 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> sel L1 chem
 E1 THROUGH E4 ASSIGNED

=> index bioscience
 FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
 COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.35	4.57

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:09:43 ON 01 JUN 2009

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
 search error messages that display as 0* with SET DETAIL OFF.

=> s e1-e4 and beryllium
 2 FILE BIOENG

```

      2  FILE BIOSIS
      2  FILE CAPLUS
15 FILES SEARCHED...
      2  FILE EMBASE
34 FILES SEARCHED...
      2  FILE IFIPAT
      2  FILE LIFESCI
      2  FILE MEDLINE
47 FILES SEARCHED...
      3  FILE SCISEARCH
      5  FILE TOXCENTER
      8  FILE USPATFULL
      3  FILE USPATOLD
      1  FILE USPAT2
62 FILES SEARCHED...

```

12 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE (CFSE/BI OR "VYBRANT CFDA-SE"/BI OR 150347-59-4/BI OR "5(6)-CARBOXYFLU
ORESCEIN DIACETATE SUCCINIMIDYL ESTER"/BI) AND BERYLLIUM

=> s L2 and (lymphocyt## or leukocyte or t-cell# or pbl or peripheral or cd4 or
cd-4 or cd-8 or cd8)

```

      2  FILE BIOENG
      2  FILE BIOSIS
11 FILES SEARCHED...
13 FILES SEARCHED...
      2  FILE CAPLUS
23 FILES SEARCHED...
      2  FILE EMBASE
35 FILES SEARCHED...
      2  FILE IFIPAT
      2  FILE LIFESCI
      2  FILE MEDLINE
47 FILES SEARCHED...
      2  FILE SCISEARCH
      5  FILE TOXCENTER
59 FILES SEARCHED...
      8  FILE USPATFULL
      1  FILE USPATOLD
      1  FILE USPAT2
66 FILES SEARCHED...

```

12 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L3 QUE L2 AND (LYMPHOCYT## OR LEUKOCYTE OR T-CELL# OR PBL OR PERIPHERAL OR CD
4 OR CD-4 OR CD-8 OR CD8)

=> d rank

```

F1      8  USPATFULL
F2      5  TOXCENTER
F3      2  BIOENG
F4      2  BIOSIS
F5      2  CAPLUS
F6      2  EMBASE
F7      2  IFIPAT
F8      2  LIFESCI
F9      2  MEDLINE
F10     2  SCISEARCH
F11     1  USPATOLD
F12     1  USPAT2

```

```
=> fil f1-f10
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                    ENTRY      SESSION
FULL ESTIMATED COST                               6.80         11.37
```

FILE 'USPATFULL' ENTERED AT 15:16:00 ON 01 JUN 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE 'CAPLUS' ENTERED AT 15:16:00 ON 01 JUN 2009
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FILE 'EMBASE' ENTERED AT 15:16:00 ON 01 JUN 2009
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FILE 'IFIPAT' ENTERED AT 15:16:00 ON 01 JUN 2009
COPYRIGHT (C) 2009 IFI CLAIMS(R) Patent Services (IFI)

FILE 'LIFESCI' ENTERED AT 15:16:00 ON 01 JUN 2009
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FILE 'MEDLINE' ENTERED AT 15:16:00 ON 01 JUN 2009

FILE 'SCISEARCH' ENTERED AT 15:16:00 ON 01 JUN 2009
Copyright (c) 2009 The Thomson Corporation

```
=> s L3
    5 FILES SEARCHED...
L4          29 L3
```

```
=> dup rem L5
L5 IS NOT VALID HERE
The L-number entered has not been defined in this session, or it
has been deleted. To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).
```

```
=> dup rem L4
PROCESSING COMPLETED FOR L4
L5          11 DUP REM L4 (18 DUPLICATES REMOVED)
```

```
=> s L5 and py<2005
    8 FILES SEARCHED...
L6          2 L5 AND PY<2005
```

```
=> d L6 ibib abs 1-2
```

L6 ANSWER 1 OF 2 USPATFULL on STN
ACCESSION NUMBER: 2003:37157 USPATFULL <<LOGINID::20090601>>

TITLE: Methods for enhancing antibody-induced cell lysis and
treating cancer
INVENTOR(S): Weiner, George, Iowa City, IA, UNITED STATES
Hartmann, Gunther, Munich, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 20030026801	A1	20030206	<--
	US 7534772	B2	20090519	
APPLICATION INFO.:	US 2001-888326	A1	20010622	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-213346P	20000622 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Alan W. Steele, Wolf, Greenfield & Sacks, P.C., Federal Reserve Plaza, 600 Atlantic Avenue, Boston, MA, 02210	
NUMBER OF CLAIMS:	77	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	
LINE COUNT:	4637	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods and products for treating cancer. In particular the invention relates to combinations of nucleic acids and antibodies for the treatment and prevention of cancer. The invention also relates to diagnostic methods for screening cancer cells.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 2 OF 2 TOXCENTER COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:247144 TOXCENTER <<LOGINID::20090601>>
COPYRIGHT: Copyright 2004 Wiley-Liss, Inc.
DOCUMENT NUMBER: PubMed ID: 15221866
TITLE: Flow cytometric test for beryllium sensitivity
AUTHOR(S): Milovanova Tatyana N; Popma Sicco H; Cherian Sindhu; Moore Jonni S; Rossman Milton D
CORPORATE SOURCE: Pulmonary, Allergy and Critical Care Division, University of Pennsylvania Medical Center, Philadelphia, Pennsylvania 19104, USA
SOURCE: Cytometry. Part B, Clinical cytometry, (2004 Jul) Vol. 60, No. 1, pp. 23-30.
Journal code: 101235690. ISSN: 1552-4949.
COUNTRY: United States
DOCUMENT TYPE: (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
FILE SEGMENT: MEDLINE
OTHER SOURCE: MEDLINE 2004318348
LANGUAGE: English
ENTRY DATE: Entered STN: 20 Sep 2005
Last Updated on STN: 27 Sep 2005

AB BACKGROUND: Chronic beryllium disease (CBD) is an occupational granulomatous disorder characterized by hypersensitivity to beryllium, mediated by CD4+ T lymphocytes, and predominantly affects the lungs. In this disorder, lymphocyte proliferative responses to beryllium, measured by 3H thymidine incorporation, are used for diagnosis of CBD, for screening asymptomatic workers or former workers to detect unrecognized disease, and for surveillance as a bioassay to detect abnormal exposures. Problems with test variability and the use of radioactivity have recently led to the search for alternative methods. METHODS: We applied a 5,

6-carboxyfluorescein diacetate
succinimidyl ester flow cytometric technique for
measurement of mitogen- and antigen-induced T-lymphocyte
proliferation to a group of beryllium-exposed sensitized
individuals and beryllium-unexposed controls. RESULTS: We
detected mitogen and antigen proliferative responses in CD3+, CD4
+, and CD8+ subpopulations. Phytohemagglutinin and Candida
stimulated CD4+ and CD8+ T-cell
responses, but beryllium appeared to stimulate only CD3+/
CD4+ responses. CONCLUSIONS: This technique may provide a
sensitive, nonradioactive alternative to the traditional proliferation
tests that measure beryllium sensitivity. It offers the added
specificity of enabling phenotypic description of the responding cell type
and may prove to be easier to standardize for clinical use.

=> logoff